

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045499 A1

(51) International Patent Classification⁷: **G02B 6/42**

(21) International Application Number:
PCT/IB2004/003674

(22) International Filing Date:
10 November 2004 (10.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0326106.2 10 November 2003 (10.11.2003) GB
0408653.4 19 April 2004 (19.04.2004) GB
0408660.9 19 April 2004 (19.04.2004) GB

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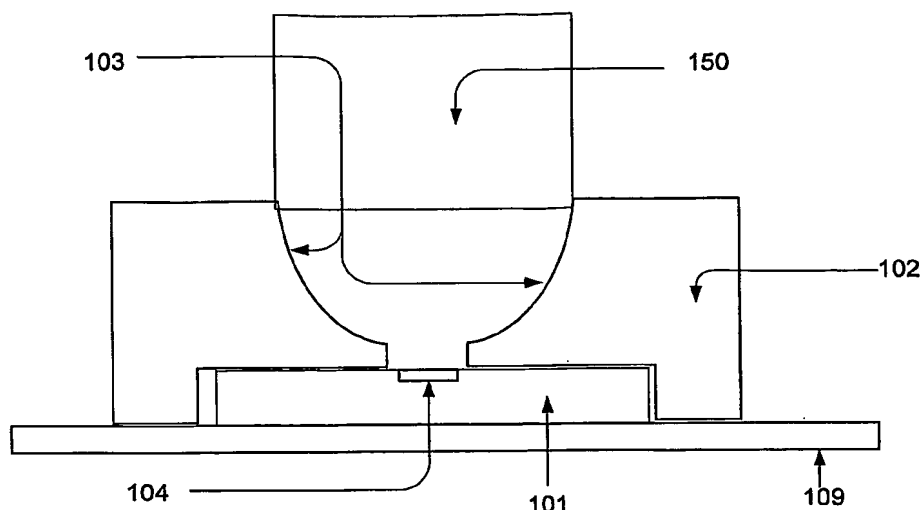
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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: OPTICAL DATA TRANSMISSION, OPTICAL DATA TRANSCEIVERS AND METHOD OF MANUFACTURING AND PACKAGING THEREOF



(57) Abstract: An optical data transceiver (100) comprises an integrated circuit (101), having provided on one side thereof a light sensing emitting means (104). A reflecting and receiving means (102), is mounted on the same surface of integrated circuit (101) as the light sensing or emitting means (104). The reflector means is open at both ends and has shaped and reflective internal surfaces (103). The reflecting and receiving means (102) is adapted at one end to receive a Plastic Optical Fibre (POF) (150) into connection therewith and at the other end is aligned with the light sensing or emitting means (104). In this way, the reflecting and receiving means is operable to direct light proceeding from the end of the fibre (150) to the light sensing means (104), or direct light from the light emitting means (104) to the end of the fibre (150), and is further operable to retain the POF (150) in position relative to the light sensing or emitting means (104).



Published:

— *with international search report*

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